Sustainability and Environmental Management System Overview

27 Apr 06

Policy and Requirements

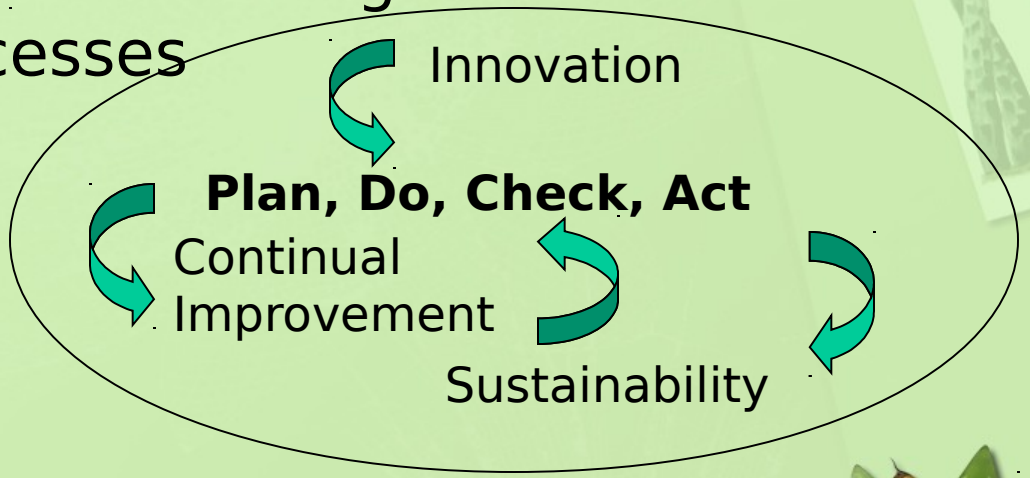
- **EO 13148,** "Greening the Government Through Leadership in Environmental Management"
- **ISO 14001**
  - Standard developed by the International Organization for Standardization for environmental management
  - Model adopted by Army

Business Case

- Enhance mission focus
- Address future challenges
- Operate more effectively and efficiently
- Improve long-term mission sustainability
- Increase short-term management efficiency
- Potential cost savings
- Improve environmental compliance
- Improve interactions with local communities, regulators and stakeholders

Structured Management System

- Integrates sustainability and environmental concerns and issues in the organization's management processes
- Basic Elements
  - Policy
  - Planning
  - Implementation and Operation
  - Checking and Corrective Action
  - Management Review



Planning

- Sustainability Aspects
- Legal and Other Requirements
- Objectives and Targets
- Sustainability and Environmental Management Program

Purpose: Objectives and Targets

- Develop and document goals/objectives and targets
- Provide a tracking method
- Ensure goals and targets are met

Objectives and Targets

- Objective: Results-oriented, mid-term end state that an organization sets out to achieve
- Target: Performance requirement stemming from the objective

Determining Objectives

- Sustainability and environmental policy
- Significant aspects and impacts
- Mission priorities
- Legal and other requirements
- Strategic planning initiatives
- Sustainability goals
- Technological options and limitations
- Financial, operational and functional requirements
- Stakeholder views

Objectives and Targets

- Specific, measurable, aggressive/attainable, results-oriented, time-bound (SMART)
- Verb, outcome-oriented statement
  - Reduce…
  - Decrease…
  - Increase…
  - Maintain…

Example Objectives and Target Statements

- Decrease facility energy use 35% by 2013 compared to 2005 baseline
- Increase alternative fuel use 20% by 2007 compared to 2004 baseline
- Maintain zero notices of violation each fiscal year
- Sustain no more than 2 training weeks lost per year due to endangered and threatened species requirements

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Example Initiatives

- Decrease facility energy use 35% by 2013 compared to 2005 baseline
  - Submit ECIP application for lighting retrofit
  - Update Facility Energy Management Plan
  - Update Installation Design Guide, energy requirements
  - Implement annual heating and cooling season policy
  - Install meters on building 6236, 304, and 1430

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Action/Performance Plans

- Initiative - Submit ECIP project for lighting retrofit
- Action Plan:
  - Who's primary responsible?
  - What other resources are needed, e.g. people, money, technology?
  - What steps do we need to take to submit the project?
  - When must the project be submitted?
  - What project milestones must be met?

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Sustainable Fort Carson!

"We envision Fort Carson 25 years from now as:

- Enduring, like a national treasure
- Inspiring as a model of sustainability
- Restoring the environment
- Returning value to the community"

From 2002 Charter and 5-Yr Implementation Plan